

# MATERIAL SAFETY DATA SHEET

1/1/99

Henry Company  
2911 Slauson Avenue  
Huntington Park, CA 90255  
Regular Telephone (323) 583-5000

HMIS  
HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PERS. PROT. EQUIP: A

For Emergency Information Only (800) 424-9300

NFPA 704

## I - PRODUCT IDENTIFICATION

NUMBER: 287 NAME: Solar Flex Elastomeric White Roof Coating CLASS: Acrylic Latex Coating

## II - HAZARDOUS INGREDIENTS

INGREDIENT/CAS NUMBERS	Percent	Occupational Exposure Limits		Vapor Pressure
		TLV	PEL	
PROPYLENE GLYCOL CAS # 57-55-6	1 - 3%	N.E.	N.E.	0.08 MMHg @ 68 Deg. F
PRESERVATIVE CAS # 34375-28-5	0.1 - 0.2%	N.E.	N.E.	

## III - PHYSICAL DATA

BOILING RANGE: 200-250 Deg. F.  
VAPOR DENSITY: Heavier than air.  
EVAPORATION RATE: Slower than ether.  
WEIGHT PER GALLON: Approx. 10.7 Lb.  
% VOLATILE VOLUME: 55 - 60%.  
% WATER VOLUME: 50 - 55%.  
MAXIMUM V.O.C.: 100 grams/liter.

## IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: - OSHA: None  
DOT: None.  
FLASH POINT: None  
LEL: None  
EXTINGUISHING MEDIA: N/A  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None.  
SPECIAL FIRE FIGHTING PROCEDURES: None.

## V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: May cause headaches and nausea by inhalation. Possible primary irritation by eye contact. Skin contact may cause adhesion of skin.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None known

PRIMARY ROUTE(S) OF ENTRY: Inhalation, skin, and eye contact.

## EMERGENCY AND FIRST AID PROCEDURES:

Flush eyes with water. Wash skin with soap and water.

## VI - REACTIVITY DATA

STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: In fire - smoke and oxides of carbon.

CONDITIONS TO AVOID: Extreme heat.

INCOMPATIBILITY (Materials to Avoid): Ones that react with water.

## VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb in clay, diatomaceous earth or other non-flammable absorbent material. Let dry in safe place.

WASTE DISPOSAL METHOD: As solid waste per local regulations.

## VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: Not normally required.

Spray application releases particulate matter into the air. To prevent inhalation of same, use proper respirator device as recommended by equipment manufacturer.

VENTILATION: Sufficient to permit drying.

PROTECTIVE GLOVES: None except to prevent soiled hands.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: None.

HYGIENIC PRACTICES: Wash skin with soap and water.

## IX - SPECIAL PRECAUTIONS

### PRECAUTIONS TO BE TAKEN IN HANDLING AND

#### STORING:

Avoid extreme heat.

OTHER PRECAUTIONS: None.

## X - TRANSPORTATION DATA

D.O.T.: Unregulated.

SHIPPING NAME: N/A.

HAZARD CLASS: N/A.

LABEL REQUIRED: None.

I.M.C.O.: UN(NA) NO.: None. CLASS: N/A.



#1 CHOICE OF PROFESSIONALS®

TECHNICAL DATA SHEET

## #287 SolarFlex® White Roof Coating



### Physical Properties

Color .....	White and 288 Desert Tan	Sizes	
Solids by weight .....	55% (ASTM D-1664)	1 gal. pail .....	12 lbs. each
Solids by volume .....	42% (ASTM D-2697)	5 gal. pail .....	58 lbs. each
Viscosity .....	100-120 KU	50 gal. drum .....	600 lbs. each
Elongation .....	>100% (ASTM D-2370)	*275 gal. totes .....	3,000 lbs. each
Tensile strength .....	>150 psi (ASTM D-2370)	Coverage	
Recovery .....	>80% (ASTM D-2370)	2 coats @ 1 gal/100 sq. ft. each	
Flex (5' F, 1/8 mandrel) .....	Pass (ASTM D-734)	*Check for local availability	
pH .....	9.0-9.5		
Density .....	10.8 lb/gal (density cup)		
Dry to touch .....	2.5 h (ASTM D-3468)		
Initial solar reflectance (CRRC) .....	0.85		
Initial thermal emittance (CRRC) .....	0.89		

### Approval & Certifications

Henry stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures. Rated Product ID - 0620-0001  
Consult Henry Representative for specific assembly ratings and requirements.  
See Henry Roofing Manual for detailed Roofing, Reroofing and Roof Maintenance & Restoration specifications.



### Description

Henry #287 SolarFlex® White Roof Coating is a premium, elastomeric, water-based acrylic latex coating. Properly applied, it is highly resistant to disbonding, chalking and discoloration. Henry #287 SolarFlex White Roof Coating gives the following benefits:

- Reflects up to 80% of sun's heat and U.V.
- Bright white with excellent "hide"
- Lowers roof and interior temperatures
- Prolongs roof life
- Reduces air conditioning costs

### Uses

- Well drained surfaces which do not "pond" water
- Conventional, SBS or APP mineral surface cap sheet
- Smooth surface built-up roofing, SBS, APP or metal which has first been coated with conventional Henry #107® Asphalt Emulsion or modified Henry #297 ElastoBlack®
- Roof surfaces previously coated with white or aluminum (aluminum must be allowed to weather before coating with Henry #287 SolarFlex® White Roof Coating)
- Stucco parapet walls